



PATENT
ATTORNEY DOCKET NO. 040894-5978

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Mitsuya KOMAMURA)
Application No.: 10/716,508)
Filed: 11/20/03)

Title: DELTA-SIGMA MODULATOR, METHOD
OF SWITCHING DELTA-SIGMA
MODULATOR, AND DIGITAL AMPLIFIER

Commissioner for Patents
U.S. Patent and Trademark Office
Alexandria, VA 22314

Sir:

**SUBMISSION OF REVOCATION OF ORIGINAL POWER OF ATTORNEY
AND GRANT OF NEW POWER OF ATTORNEY**

Enclosed is a copy of the Revocation of Original Power of Attorney and Grant of New Power of Attorney by the Assignee.

If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

By:

Peter J. Sistare
Registration No. 48,183

Dated: March 14, 2006

CUSTOMER NO. 55694
DRINKER, BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, D.C. 20005-1209
Tel: (202) 842-8800
Fax: (202) 842-8465

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: **PIONEER CORPORATION**

Commissioner for Patents
Washington, D.C. 20231



REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), **PIONEER CORPORATION**, a Japanese corporation, certifies that it is an assignee of the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to PIONEER CORPORATION submitted to the U.S. Patent and Trademark Office. The dates on which the assignments were submitted and the reel/frame numbers at which the assignments were recorded are indicated in the chart below when known.

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
03/30/99	040894-5408	09/280,719	6,134,055	10/17/00	03/30/99; 009864/0115
03/19/01	040894-5642	09/810,228	6,881,051	04/19/05	03/19/01; 011628/0540
03/21/01	040894-5644	09/813,306			03/21/01; 011629/0943
08/29/01	040894-5700	09/940,584			08/29/01; 012128/0892
09/04/01	040894-5703	09/944,101			09/04/01; 012139/0490
11/24/04	040894-5706-01	10/995,509			09/10/01; 012157/0349
09/10/01	040894-5709	09/948,786			12/06/01; 012348/0801
09/12/01	040894-5712	09/949,980			09/12/01; 012163/0345
09/20/01	040894-5716	09/955,978			09/20/01; 012189/0290
09/18/01	040894-5717	09/953,905			09/18/01; 012174/0477
09/18/01	040894-5718	09/954,151			09/18/01; 012176/0792
09/24/01	040894-5720	09/961,167			09/24/01; 012202/0349
09/20/01	040894-5721	09/955,977	6,781,947	08/24/04	09/20/01; 012189/0293
09/26/01	040894-5724	09/962,332	6,628,588	09/30/03	09/26/01; 012205/0350
09/28/01	040894-5726	09/964,677			09/28/01; 012214/0929
10/11/01	040894-5731	09/973,774			10/11/01; 012247/0071
10/15/01	040894-5732	09/976,033			10/15/01; 012258/0635
10/15/01	040894-5733	09/976,029			10/15/01; 012258/0610
10/20/01	040894-5736	09/984,556	6,587,566	07/01/03	10/30/01; 012292/0750
10/25/01	040894-5737	09/983,732	6,930,969	08/16/05	10/25/01; 012285/0922
11/02/01	040894-5739	09/985,438	6,424,210	07/23/02	11/02/01; 012296/0748

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
09/16/02	040894-5820	10/243,871			09/16/02; 013302/0887
09/13/02	040894-5830	10/242,763			09/13/02; 013287/0381
09/17/02	040894-5831	10/244,541			09/17/02; 013309/0802
09/26/02	040894-5836	10/254,640			09/26/02; 013337/0183
10/15/02	040894-5845	10/270,213			00/00/00; 013396/0152
10/29/02	040894-5854	10/282,209			10/29/02; 013442/0885
11/19/02	040894-5858	10/298,943			11/19/02; 013513/0219
11/19/02	040894-5859	10/298,510			11/19/02; 013518/0988
12/11/02	040894-5865	10/315,944			12/11/02; 013572/0088
12/26/02	040894-5873	10/328,033			12/26/02; 013627/0360
12/26/02	040894-5874	10/327,921			12/26/02; 013622/0306
01/28/03	040894-5882	10/352,212	6,810,325	10/26/04	01/28/03; 013722/0395
02/03/03	040894-5885	10/356,530			02/03/03; 013732/0007
09/22/03	040894-5959	10/665,366			01/05/04; 014865/0244
10/01/03	040894-5963	10/674,537			10/01/03; 014590/0114
10/03/03	040894-5964	10/677,251			10/03/03; 014581/0649
10/07/03	040894-5966	10/679,502			
12/21/03	040894-5969	10/688,903			10/21/03; 014623/0555
11/20/03	040894-5978	10/716,508			11/20/03; 014730/0433
12/09/03	040894-5982	10/729,969			12/09/03; 014778/0710
03/18/05	040894-7206	11/083,087			
03/21/05	040894-7207	11/083,962			
03/21/05	040894-7208	11/084,195			02/03/03; 013732/0007
04/14/05	040894-7219	11/105,570			
04/14/05	040894-7220	11/105,569			
05/16/05	040894-7242	11/129,380			

The undersigned, whose title is supplied below, is empowered to act on behalf of assignee Pioneer Corporation.

Acting on behalf of the assignee Pioneer Corporation, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

Customer Number 55694
DRINKER BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, DC 20005

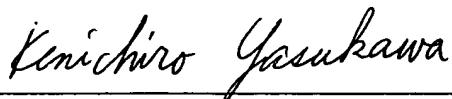
with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

All correspondence regarding these applications should be sent to JOHN G. SMITH at:

Customer Number 55694
DRINKER BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, DC 20005

Respectfully submitted,

Date: March 6, 2006



Kenichiro Yasukawa
General Manager
Intellectual Property Division
Patent Application Group
Research & Development Group
PIONEER CORPORATION
1-4-1 Meguro, Meguro-ku
Tokyo 153-8654, Japan